GlyLeach™ at a glance

WHAT IT IS

GlyLeach™

GlyLeach™ is an environmentally friendly and sustainable alternative to acid leaching that can be used to selectively leach base and precious metals, even from previously non-viable deposits. It provides a more targeted and efficient leaching at a lower cost.

HOW IT WORKS

Glycine

is a recyclable reagent that replaces acid to leach base and precious metals. With GlyLeach™, it is now possible to recover the majority of this material's metal – turning waste rock into an asset.

WHAT IT DOES

GlyLeach™ for Copper

With GlyLeach™, copper oxides with high acid consumption can now be economically processed, including previously unviable carbonate-hosted oxides.

GlyLeach™ for Nickel and Cobalt

GlyLeach™ enables production from tailings, as well as the production of higher purity metal from nickel and cobalt sulphide deposits - at a lower cost, and in an environmentally friendly way.

- Reduced sulfuric acid consumption
- Simultaneous leaching of precious and other metals (e.g. cobalt)
- No smelting is needed
- Lowers carbon emissions

OUR PROCESS

01

DISCOVERY TESTS
Sample tests being done to ensure viability of our process for your operation.

02

RISK REDUCTION TEST
Process conditions are refined & a benefit estimate is provided.

03

PILOT DEMONSTRATION
Can be done onsite or on our center.

04

TRIAL
Trials are conducted at the plant to validate operational suitability.

05

IMPLEMENTATION
We grant a commercial user license wherein the technology is implemented to the site.

OUR PARTNERS

Jubilee has partnered with Draslovka to utilize GlyLeach™ as an evolving practical treatment method for its carbonate-associated copper tailings in Zambia. Traditionally, sulfuric acid was the sole recourse for addressing these tailings, marred by high consumption and soaring costs. This results in valuable metals, such as copper, to remain as untapped resources. The GlyLeach™ solution shatters these barriers. So far, calculated copper extraction of more than 80% of copper in tails has been achieved from the continuous Glycine Leaching Technology trials applying a modified reagent recipe.

BARRICK · Bayan Airag Exploration LLC · BHP · Jubilee Metals Group

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